

CHR® H7525/H7575

Glass-Silicone Pressure Sensitive Adhesive Tape

CHR H7525 and H7575 (HVOF) are heavy-duty pressure-sensitive tapes used for thermal spray masking. They are manufactured by combining multiple layers of silicone rubber, aluminium foil and fibreglass coated with aggressive high-temperature silicone adhesive. HVOF means High Velocity Oxygen Fuel spray technique.

Features/Benefits

CHR H7525 and H7575 have exceptional abrasion resistance and adhesion properties, which allows the tapes to wear very well during the spraying process. These tapes are also very conformable and can be used for many part configurations. They can continuously withstand temperatures up to 260°C.

Availability

Factory stock for **CHR** H7525 is in master rolls 33 m x 914 mm (36 yd x 36 in) and 33 m x 1219 mm (36 yd x 48 in) wide for H7575. Rolls can be slit in widths ranging from 6.35 mm (0.25 in) to full width on 76.2 mm (3.0 in) ID cores.

CHR H7525 and H7575 are supplied with a yellow plastic release liner.

Applications

CHR H7525 and H7575 are used as high-temperature masking tapes in thermal spray and high velocity oxygenated fuel (HVOF) processes. The tapes are used to protect portions of the part being processed so that they are not exposed to spray. They are used primarily in the aircraft industry in their repair shops as well as in other markets where thermal spraying is used.



CHR H7525/H7575 Properties

Performance tests are run using standard test procedures.

The values presented are typical values and should not be used for specification purposes.

Product Number	H7525	H7575
Backing Material	Glass-foil-Silicone	Glass-Silicone
Adhesive Type	Silicone	Silicone
Total Thickness mm (mil)	0.445 (17.5)	0.533 (21.0)
Backing Thickness mm (mil)	0.381 (15.0)	0.445 (17.5)
Adhesive Thickness mm (mil)	0.064 (2.5)	0.089 (3.5)
Adhesion to Steel N/cm (oz/in)	5.5 (50)	5.5 (50)
Tensile Strength N/cm (lb/in)	219 (125)	315 (180)
Operating Temperature °C (°F)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)
Colour	White	White

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